



Vermont Department of Health Laboratory

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DATAMASTER TECHNICAL SUPPORT INQUIRY

Agency/Site: Woodstock PD _____ DataMaster Serial #: 100152 _____

Date: 2 /5 /2012 _____ Requestor: Hanson, W _____

Instrument Supervisor: _____ Phone #: _____

Taken By: Steven Harnois _____

Problem: Temp of Simulator out of spec, Keyboard will not work _____

Laboratory Response: Worked with Officer Hanson Over the phone to Diagnose and correct the simulator Temp Reading problem. Once that was fixed we found the keyboard would not Work. _____

Work Performed: _____

2/5/2012 - Officer Hanson Faxed a failing RPC to the Lab, with a high simulator Temperature of 176 deg C. After Troubleshooting over the phone we found that the plug under the lid for the simulator was partially dislodged from the socket, once that was corrected the Simulator temperature reading was back to it's correct reading. Of about 34 Deg C. Then Officer Hanson Informed me that the key board would not Work, I asked him to shut off and restart the instrument, the problem was still present. I had him leave instrument out of service. SH

2/16/2012 - Arrived to find that the Keyboard did not work. Opened the instrument and found that the modem cube relay was partially out of it's socket, turned power off and reset the Relay, removed keyboard and printer USB's and re-plugged them in, Keyboard and printer now work. Continuing on to do the RPC with the solution Officer Hanson had put in the simulator. Upon doing RFI check part of RPC, the Console radio had no effect on the Detector Voltage, the handheld radio had a 100 to 200 mV effect on the voltage, with no RFI detected, I canceled the test, reset the RFI sensitivity and restarted the RPC. RPC #2 passed without any issues. Instrument back in service.

☒ On Site ☐ In-house

Attachments: 2 10 pages

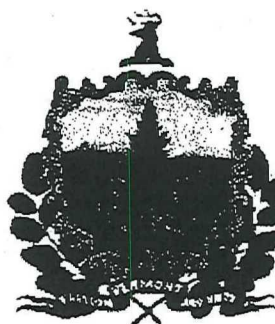
Performed By: Steven Harnois _____

Date: 2/16/2012 _____

Final Review: Kirk L. Kimball KLK

Date: 2/18/12 _____

2/24/12
SH

ROUTINE PERFORMANCE CHECK REPORT

DataMaster DMT: 100152
Location: Woodstock PD
Calibration Date: 09/14/2011
Certification Date: 09/15/2011
Installation Date: 09/22/2011
RPC Date: 02/05/2012
Supervisor Name: WILLIAM E HANSON

Diagnostic Results**VERSIONS**

DMT: 1.01
PIC: 2.06
Modem: 2.2
Questions: 2.0

TEMPERATURES

Sample Chamber = 49.1°C
Breath Tube = 48.1°C
Digital Sim = 176.7°C

SETTINGS

Lamp Voltage = 1.70 V
Cooler Voltage = 1.72 V
Bias Voltage = 80 V
Chopper Freq = 549 Hz

PUMP INFO

Flow Rate = 5.552 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0937	0.0967
MIN(V)	0.0917	0.0943

FILTER INFO

Filter 1	0.093	Zero = true
Filter 2	0.434	Zero = true
Filter 3	1.058	Zero = true

CALIBRATION CHECK

Xq = 0.080 2.44%

Routine Performance Check Failed

Performed by

W. Hanson

Date

02/05/2012

Reviewed by

Date